

Exhibit A  
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# HEWLETT-PACKARD COMPANY INVENTION DISCLOSURE

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## 5. What is the Licensing Value of your Invention?

Licensing Value Question	Answer
In 25 words or less, what problem does your invention solve?	Currently available automatic layout tools simply lay text down in the space allocated. If content does not fit then it is eliminated; this invention enables a layout tool to intelligently reduce the length of an article so that it does fit.
Has this problem been solved before? If so, how?	This algorithm is an automation of the process that a newspaper editor would use to shorten an article that does not fit in a document.
In 25 words or less, how did you solve the problem?	News articles are automatically shortened to fit available space in a document. If a specific article does not fit, it is examined (using text analysis tools) to identify logical locations where the text can be cut while minimizing the information loss.
Why is your solution better than other solutions?	1) It's automated 2) It minimizes wasted space in documents that have been formatted automatically and 3) It maintains essential information.
Why would our competitors want to use (any pay us for) your solution?	It allows us to reduce the amount of whitespace that remains in an automatically produced document; thereby increasing the information content in the document, allowing for an improved reader experience.
How could you detect that someone else was using your invention?	By discovery.
What is the best "prior art" you know of?	I'm not aware of any prior art.

## 6. Enter the detailed description of the problem and your solution below. Include any other information (drawings, graphs, flowcharts, code, notebooks, etc) that will help make your invention more understandable.

This invention depends on reporters following the "inverted pyramid style" when writing their articles. The inverted pyramid style of writing means that the first paragraph or two of a story summarizes the most important information. The end or outcome of the story is told immediately at the beginning. No major ideas are held back.

After the lead is written, supporting detail is added in decreasing order of importance. If the story must be cut for length from the bottom, this assures that the most essential information will be retained.

This invention also depends on the existence of tools for performing semantic analysis of text.

If an article does not fit then perform a semantic analysis of the initial article to establish a baseline of the content. Next, cut the last paragraph of the article and re-analyze it and compare the content to the baseline. If the match is close then check to see if it fits the allocated area. If it fits then stop; if it doesn't then repeat the cut and analyze process.

## 7. Please provide copies of your signed and dated lab notebook pages.

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